



09, 711, 724

1646

*Handwritten signature*

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 40154  
Application ID: 09711724  
Title of Invention: SCREENING ASSAYS FOR  
HEDGEHOG AGONISTS AND  
ANTAGONISTS  
First Named Inventor: Clifford Tabin  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2000-11-13  
Effective Receipt Date: 2003-04-23  
Submission Type: BIO Sequence Filing  
Filing Type:  
Confirmation number: 7675  
Attorney Docket Number: HMSU-P14-006



RECEIVED  
APR 28 2003  
TECH CENTER 1600/2900

Total Fees Authorized:

Digital Certificate Holder: cn=David P. Halstead,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: 9c92918b16e36a352ef023cb977dddbd76250786



## AMINO ACID AND/OR NUCLEOTIDE SEQUENCE LISTING SUBMISSION

Electronic Version v13

Stylesheet Version v01

This is a request for filing the electronic Computer Readable Form copy of a sequence listing via the Electronic Filing System for a patent application under 37 CFR 1.821-1.825 instead of via one of the physical media specified in 37 CFR 1.824(c).

This communication has an attached file which is an electronic copy of the amino acid and/or nucleotide sequence listing for the previously mentioned United States patent application.

The electronic copy submitted herewith is the Computer Readable Form (CRF), as required by 1.821(e).

Any applicable fees associated with the filing of the electronic copy have been paid.

This submission does not go beyond the disclosure of the application as originally filed (i.e., contains no new matter). It may be in addition to an original CRF, filed to comply with the sequence rules.

This submission in electronic form comprises only the CRF of 37 CFR 1.821(e). I acknowledge that I am responsible for all additional requirements of amino acid and/or nucleotide sequence listing submissions as specified in 37 CFR 1.821 - 1.825.

This submission does not go beyond the disclosure of the application as originally filed (i.e., contains no new matter), and/or is in addition to an original CRF filed to comply with the sequence rules. If not made to comply with an originally filed CRF, it is identical to the sequences disclosed in the application as originally filed and/or the paper copy of the sequence listing as originally filed.

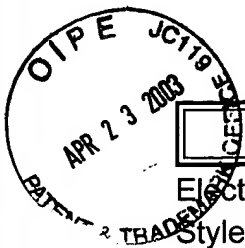
I hereby certify that this correspondence is being transmitted to the United States Patent and Trademark Office on the following date: 2003-04-23

Name: David P. Halstead  
Electronic Signature Mark: DYH

Attachment description:

Substitute CRF Biosequence

Compression software used:



TRANSMITTAL
-------------

Electronic Version v1.1  
Stylesheet Version v1.1.0

Title of Invention	SCREENING ASSAYS FOR HEDGEHOG AGONISTS AND ANTAGONISTS
-----------------------	---

Application Number:	09/711724		<b>RECEIVED</b> APR 28 2003 TECH CENTER 1600/2900
Date:	2000-11-13		
First Named Applicant:	Clifford Tabin		
Confirmation Number:	7675		
Attorney Docket Number:	HMSU-P14-006		

I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
David P. Halstead Registered Number: 44,735	DYH	Attorney

**Documents being submitted****Files**

us-bio-seq-trans

HMSU-P14-006SubSequenceListing04232002-usbios.xml

us-bio-seq-trans.dtd

us-bio-seq-trans.xsl

sequence-listing

HMSU-P14-006SubstituteSequence.txt

**Comments**

This Substitute CRF Biosequence is being submitted as part of the Response to the Office Communication mailed from the Office on April 17, 2003.